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one oniasmalis fumeri con?

v 2. By means of the ~~lungs~~ <sup>Saliva</sup> which  
~~inspiration~~ conveys them to the stomach  
and bowels. 3 By means of the lungs in  
inspiration. and

we have at length finished the history of the effects of all the sensible and insensible qualities of the air upon the human body in producing Disease. ~~but~~ It remains now that we inquire in what <sup>manner</sup> ~~manner~~ the insensible qualities of the air, or in other words the foreign and extraneous matters which float in it are taken in the body so as to enable them to produce <sup>morbid</sup> the phenomena that have been ascribed to them. It has been supposed they <sup>enter & act upon</sup> ~~act upon~~ the body in one or more of the following ways. 1 By means of ~~the lungs~~ <sup>absorbents which</sup> terminate on the skin. 2 By means of the nerves ~~is respiration~~ which convey them directly to the brain through the medium of the nose. 3 By

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~~means of the saliva which conveys them~~  
~~to the stomach and bowels &c. By means~~  
~~of the Absorbents which terminate upon~~  
~~the Skin. I admit the three <sup>excesses</sup> first ~~excesses~~~~  
~~which have been <sup>right</sup> the ~~last mode of~~~~  
~~the Absorption of <sup>by the Skin</sup> morbid matters which produce disease only,~~  
~~acting upon the system <sup>altogether,</sup> and that not only~~  
 because the existence of Absorbents upon  
 the Skin has been ~~in a great degree dis-~~  
 proved, but from the unsuccessful issue  
 of many Attempts to to communicate the  
 matter upon the Skin. The rejection of this  
 opinion will remove an immense mass of  
 error from medicine, and of <sup>that</sup> fear & prejudice  
 from the minds of physicians <sup>which have</sup> by dis-  
<sup>=posed</sup> ~~posing~~ them ~~not~~ to pull off their gloves

~~I have Doubts of the miasmata or contagious the  
affect inducing disease ~~that~~ the way mixing with the  
Saliva and descending with it into the Stomach. The late  
Dr Cowell of ...~~

Similar Affections of the Abdominal  
Viscera occur in the violent Effluvia of  
the Small pox, and yet no one has supposed  
its contagious to act primarily upon  
the Stomach. We see moreover similar  
and even greater Comotions induced in  
the System by certain Diseases of the mind,  
and these we are sure act primarily upon  
the brain.

It is no Argument in favor of mias-  
mata acting primarily upon the Stomach,  
that an emetic prevents the formation of  
the fever induced by them. It acts not by  
discharging any gas from the Stomach,  
but by ~~its~~ <sup>its</sup> the Stimulus, and <sup>the</sup> new Actions  
it excites in every part of the body. I as-  
=mit

3

When they feel the pulse of their patients, or  
if they ventured to feel a few of its strokes with  
naked fingers, it will prevent their wasting  
inflaming them afterwards with frequent  
ablutions of with alkaline mixtures, or  
with soap and water. V<sup>3</sup> by that the fluids of  
some diseases are taken into the body by the lungs,  
but I believe miasmata of all kinds act  
chiefly upon the nerves & brain, and that  
when they enter the body thro' the avenues  
of the lungs, ~~as~~ <sup>and</sup> ~~admit their entrance~~ <sup>as</sup> ~~they~~ <sup>are</sup> inoffen-  
sive until they act upon the nervous  
system. From the nerves they are commu-  
nicated in ordinary cases of fever in the  
first instance to the blood vessels. They affect  
other parts of the body in proportion to their  
violence or malignity, or according to predisposition.  
That the nerves  
are first affected by miasmata I infer from  
pain being so generally one of the first

~~I have Doubts of the miasmata or contagious this  
effect inducing disease ~~by~~ the very mixing with the  
Saliva and descending with it into the Stomach. The late  
D<sup>r</sup> Cowell of Trenton informed me that he once cut a piece  
of thread throughly impregnated with variolous matter ~~and~~  
~~and gave it to a child in a dose of~~  
physic, without inducing the Smallpox. From the~~

✓ It is no ~~big~~ argument in favor of the  
idea of fever being absorbed by the Skin, that  
the Spleen and the Venereal disease are com-  
-municated by contact. The former never  
passes beyond the Skin, and the latter in-  
-duces disease only when it comes in contact  
with fores or parts covered with a thin pel-  
-licle as the Glans penis, or internal surface  
of the Urethra and Vagina. ~~It is~~

~~It is~~ <sup>with variolous matter</sup>  
~~the result of~~ <sup>effect of this experiment and</sup>  
~~innocuous~~ <sup>gas in the stomach and bowels</sup> ~~both of~~  
~~from the hæmorrhage~~ <sup>a taste of Carbolic</sup> ~~acid~~  
~~upon the lungs & brain~~

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= I object likewise to the miasmata and con-  
-tagious inducing diseases by mixing with sali-  
-va and descending with it into the stomach.

The <sup>variolous matter</sup> ~~small pox~~ when taken into the stomach  
will not excite the small pox. This has been  
proved by the late D<sup>r</sup> Cowell at Trenton. I am  
disposed to believe that the Koinomiasma in  
the stomach, if conveyed there, would <sup>be</sup> rather  
inoffensive, or perhaps counteract the  
production of disease. Carbolic acid gas, so  
deleterious in the lungs, we know is medicinal  
in the stomach, and ~~spice~~ a few spoons full  
of Ardent spirits when taken into the sto-  
-mach prevent intoxication from their  
small. The sickness, vomiting, Colic, and  
even the morbid Affections of the liver <sup>ch</sup> which  
occur in bilious or koinomiasmatic fevers  
are all induced I believe by a primary  
Affection of the System through the  
medium of the <sup>nose</sup> ~~lungs~~ and the brain. ~~to~~

When they feel the pulse of their patients, or  
 if they ventured to feel a few of its strokes with  
 naked fingers, it will prevent their washing  
 inflaming them afterwards with frequent  
 ablations of with alkaline mixtures, or  
 with soap and water. <sup>by that the seeds of</sup>  
 some diseases are taken into the body by the lungs,  
 but I believe miasmata of all kinds act  
 chiefly <sup>its</sup> ~~primarily~~ upon the nerves & brain, and that  
 when they enter the body thro' the avenues  
 of the lungs, ~~and saliva~~ <sup>if they admit their entrance</sup> they ~~pass~~ are inoffen-  
 sive until they act upon the nervous  
 system. From the nerves they are commu-  
 nicated in ordinary cases of fever in the  
 first instance to the blood vessels. They affect  
 other parts of the body in proportion to their  
 violence or malignity, <sup>or according to predisposition.</sup> That the nerves  
 are first affected by miasmata I infer from  
 pain being so generally one of the first

Affection of the brain. <sup>That same symptoms are induced by</sup>  
<sup>the fever of the natural pox.</sup> We shall mention hereafter  
many instances of similar effects from that cause,  
particularly in treating upon the Diseases of the mind.  
~~The the Thrombosis~~ <sup>we</sup> I to admit the ~~secondary~~ primary  
Action of any of the Miasmata upon the stomach and  
bowels it should be the ~~hermioneumatic~~ exhalations.  
~~heads killed by insects~~

V 2 From the functions of the brain  
being so <sup>much more</sup> ~~greatly~~ impaired by fevers from  
which ~~are~~ <sup>are</sup> from exhalations, &  
miasmata of all kinds, than by fevers  
from the accidents, or the sensible qualities  
of the air. 29 Consumption & hectic fever from  
<sup>this</sup> all its causes very rarely produce even a pain  
in the head. -

Symptoms of their operation, and that  
 the brain is affected at the same time I  
 infer ~~not only from the~~ <sup>the vicinity of the nose to the brain</sup> ~~intimate connection~~  
~~the intimate connection of its~~ <sup>the</sup> ~~of the nerves of the nose~~ with the brain;  
<sup>13<sup>ly</sup></sup> ~~but~~ from a fact mentioned by Dr Black  
 in his experiments upon <sup>fixed</sup> air, or what  
 we now call Carbonic Acid Gas. "I discovered  
 (says the Doctor) that this air <sup>to be</sup> ~~is~~ deadly to all  
 animals that breathe it by the mouth &  
 nostrils together; but if the nostrils were  
 kept shut, I was led to think it might  
 be breathed with safety. I found for exam-  
 -ple, when Sparrows died in it in ten  
 or twelve seconds, they would live in it  
 for three or four minutes when the  
 nostrils were shut by melted Suet?"  
 The opinions I am delivering ~~are~~ <sup>the</sup> of ~~the~~



manner in which miasmata of out upon the  
body in the production of disease are of a prac-  
tical nature. They lead to the early use of

~~Emetics~~ <sup>(if we admit that)</sup> ~~those miasmata are too~~  
~~early upon the~~ <sup>and</sup> before they have had  
time to bring on fever, and they suggest to  
us the advantage of <sup>holding the breath for a short time, and</sup> closing the nose. When

Constantly  
we are exposed to morbid exhalations.

~~I have then mentioned the diseases~~  
<sup>detained</sup>  
~~which~~ the diseases which are produced by  
the <sup>sensible</sup> ~~insensible~~ qualities of the air, ~~or by foreign~~  
~~qualities which float it, or by~~ such as  
heat and cold <sup>and many &c</sup> ~~affecting individuals~~ attack in  
a solitary form, or at the worst, in scouting  
parties, but the diseases which are produced  
by the insensible qualities of the <sup>air,</sup> ~~which~~  
come forward in all the pomp of mighty  
armies spreading distempers, terrors, and

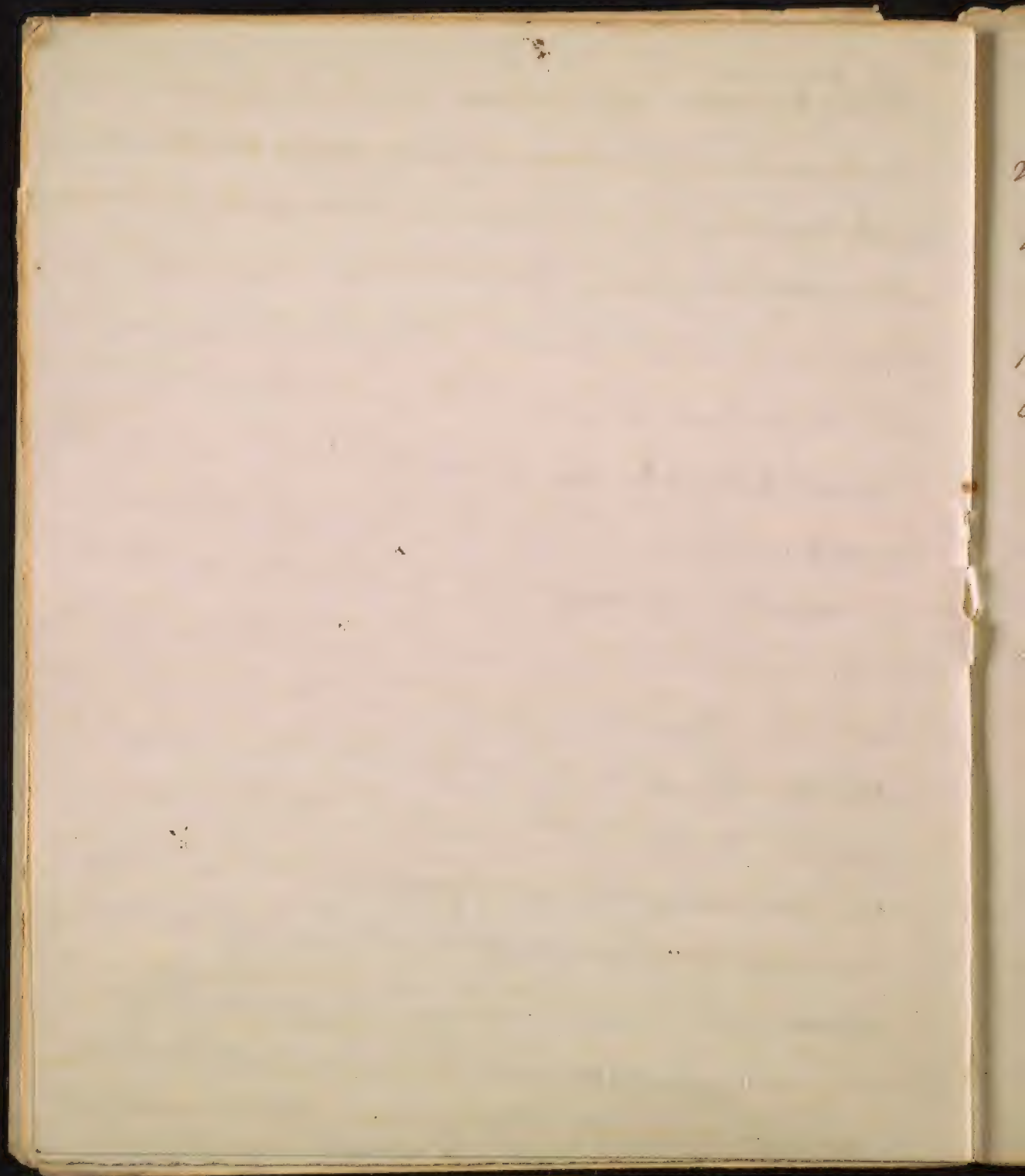
~~The Epidemics I have said are~~  
~~produced by 1<sup>st</sup> foreign or imitating matters~~  
~~in the air. 2<sup>d</sup> by bad provisions & 3<sup>d</sup> by bad~~  
~~water. - Sometimes they all three concur in~~  
~~the production of an epidemic - by one~~  
~~or two of them acting as predisposing causes.~~



V are 1 produced by foreign matters in  
the atmosphere - 2 by bad provisions &  
3<sup>rd</sup> by bad water. To the diseases from foreign  
or irritating matters in the air belong

W This was crined in many instances  
During <sup>over</sup> ~~the~~ Revolutionary War, for while  
two or three, and often more of our  
Soldiers died of the hospital fever <sup>every day</sup> in the hospitals  
~~at~~ in the house of employment in Philad.<sup>a</sup>  
in the College at Princeton & in the brethren's  
house at Bethlehem in this State, the inha-  
-bitants of all those places were perfectly  
healthy. —

~~general~~  
~~those diseases which sometimes affect whole~~  
~~communities from unwholesome provisions,~~  
~~and bad water. I exclude, likewise from Epiz-~~  
~~emics, the fevers from Miasmatis, or~~  
~~human exhalations. They never infect the~~  
~~atmosphere, and the disease produced by them~~  
~~never spreads beyond the limits of the~~  
~~house, or ship, or jail, or hospital~~  
~~in which it exists is generated, or to which~~  
~~it is carried. The matter excreted from the~~  
~~body in this disease I have said never~~  
~~extends beyond 10 feet from the persons~~  
~~affected with it. I include in Epidemics only~~  
~~those groups of diseases which are com-~~  
~~municated through the medium of the Atmos-~~  
~~phere. They are 1<sup>st</sup> Fevers from Mismo-~~  
~~miasmatis exhalations in which I include~~  
~~the African or Asiatic plague, the American~~



yellow fever - the bilious inflammatory - the  
 mild remitting ~~the~~ <sup>&</sup>intermittent fever - the  
 febrile the chronic bilious fever - the febrile,  
 Phrenitis, febrile mania, Ophthalmia, the  
 petechial fever - Dysentery - Colera morbus,  
 Colic and Diarrhea. 2 The Cynanche maligna  
 and Leucitina. 3 The Influenza, & by the  
 Small pox - Measles, and Hooping Cough.

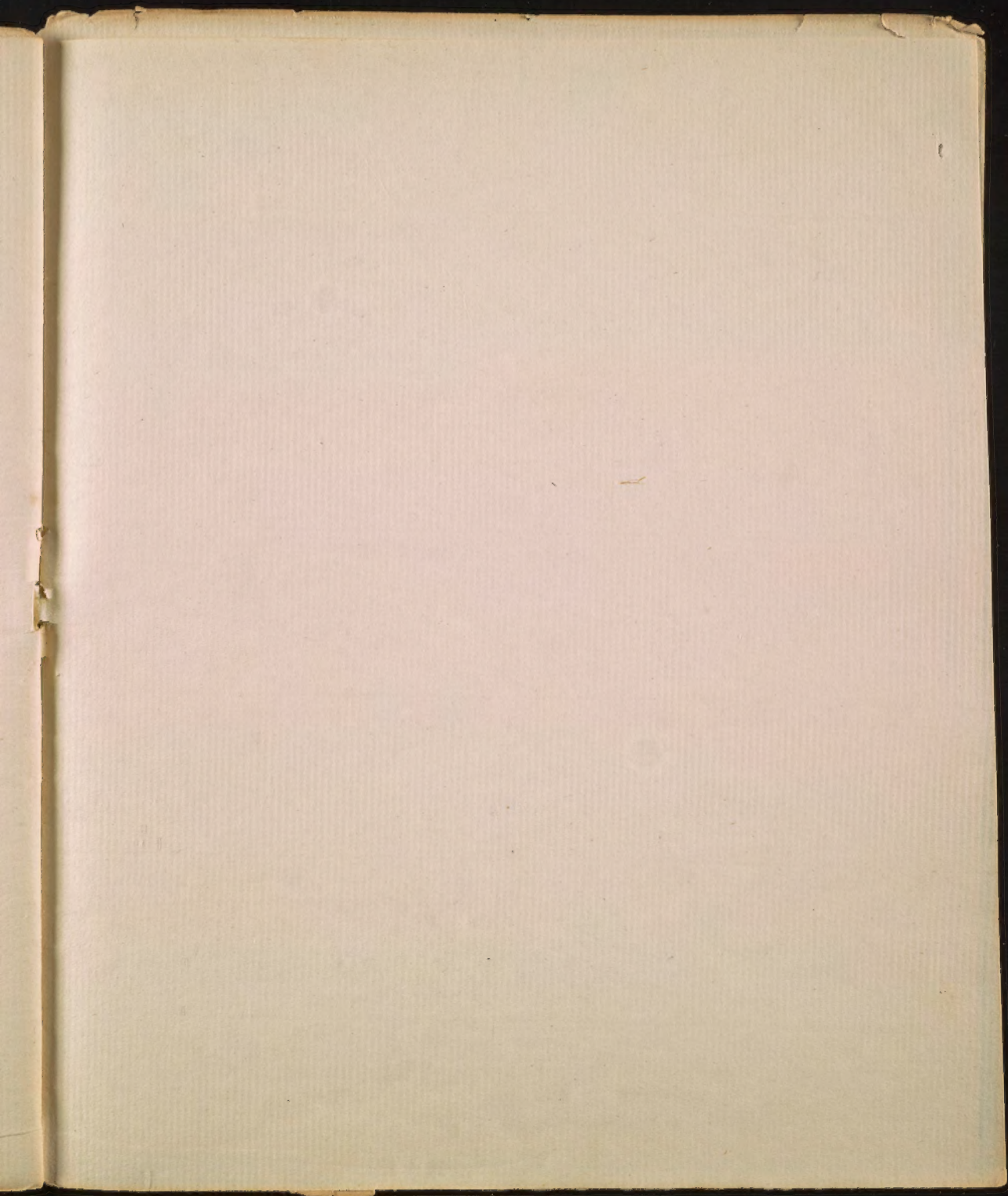
I shall now proceed to enumerate the  
 laws of Epidemics. — These will apply  
 chiefly to the Diseases which are generated by  
 unwholesome matters in the air. The Epidemics  
 from bad provisions & bad water will  
 be noticed in the place assigned to them in  
 our Syllabus.

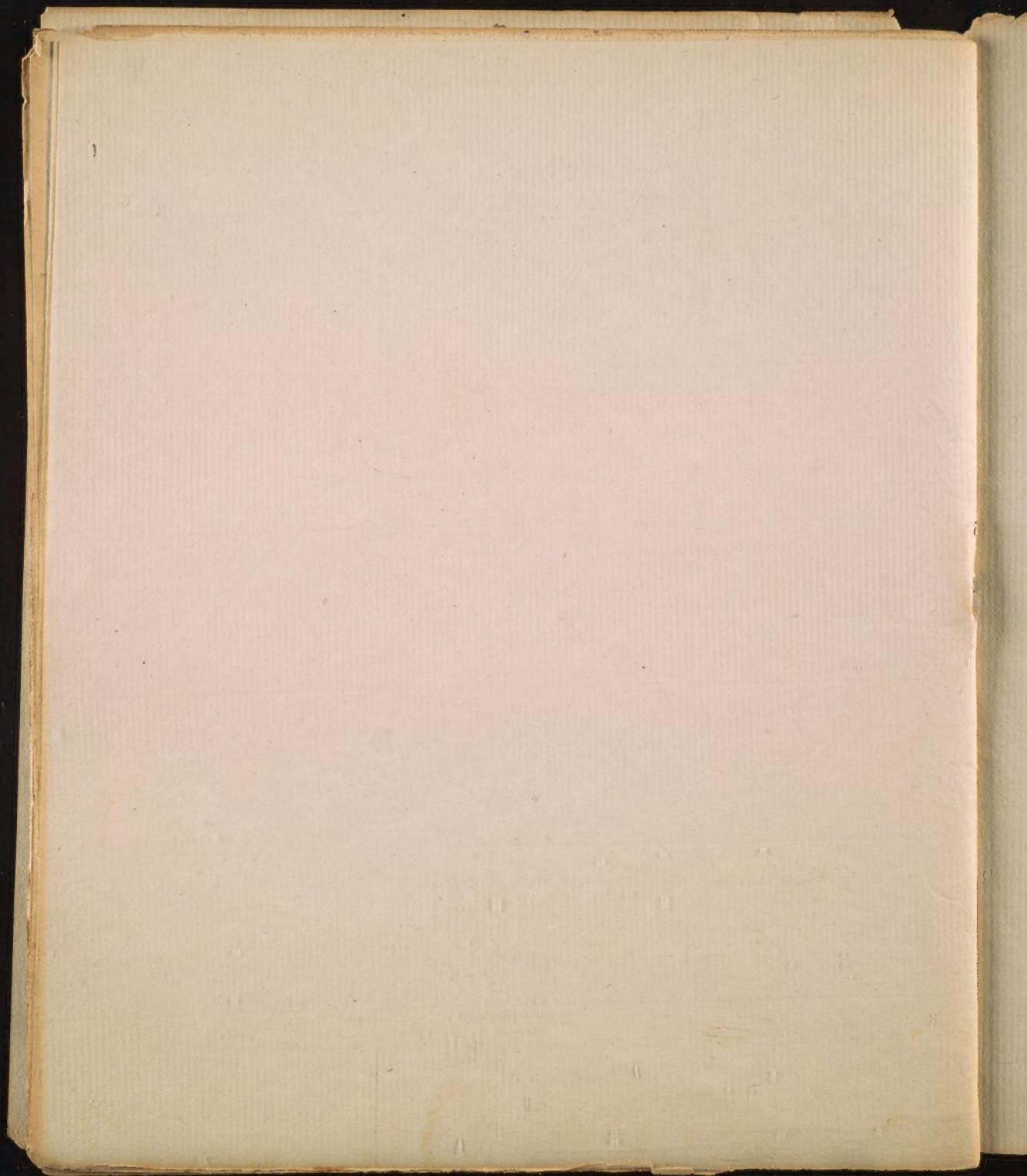
The subject before us is interesting one, &  
 should command your closest Attention. It is one  
 of the most scientific parts of Medicine. You  
 may be ~~practitioner of physic without~~ <sup>without</sup>

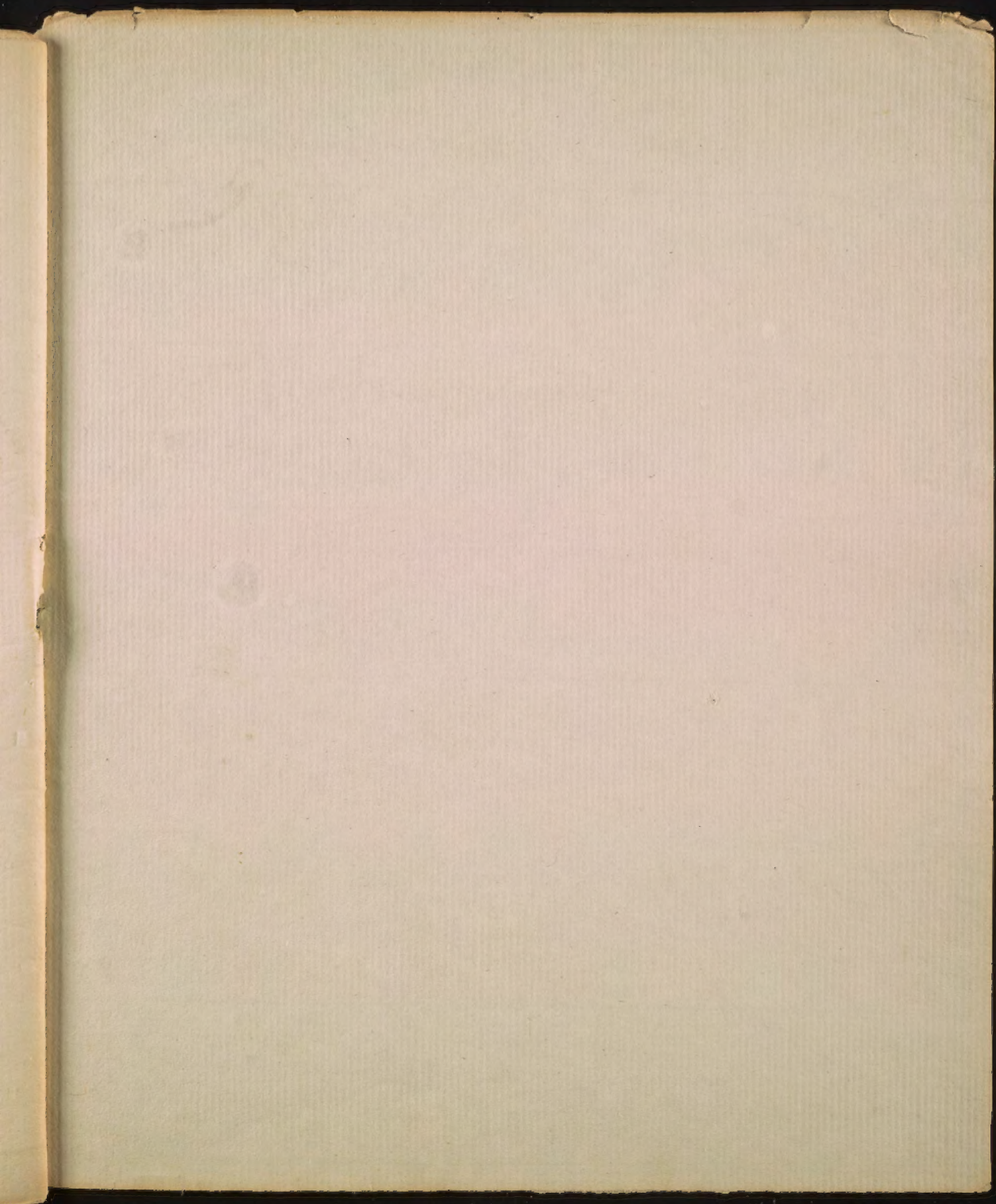












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